SPECIFICATION AMENDMENTS

Replace Page 3, lines 7-9.

A1 -- Another such system is described in U.S. Patent No. ~~5,711,037~~ 5,711,033; AIR FILTRATION AND CONTROL SYSTEM, R. O Bare et al. --

Replace Page 13, lines 5-11.

A2 -- In the embodiment described relative to Figure 4, the low battery indicator LED ~~151 has~~ 152 has internal circuitry connected to the control circuitry 307, for example, at connector block 104. This control circuit 307 is arranged, in conventional fashion, such as a voltage divider comprising resistors 181 and 182 (along with trimpot 106 for adjustment), to produce a threshold signal when the output from battery 191 falls below a prescribed level. This threshold signal is applied to ~~LED 151~~ LED 152 which is activated thereby to produce an indication of low voltage to the wearer of the helmet. --

Replace Page 14, lines 9-18.

A3 -- The feedback circuit 607 is connected from the current sensing resistor 602 to an input of the voltage regulator 601 to maintain the current supplied to the fan motor 605 substantially constant or at least within a prescribed range level. The voltage level from the voltage regulator 601 is also supplied to one terminal of a comparator circuit included in the low air flow sensor circuit 604. The other terminal of the comparator in the sensor circuit 604 is connected to receive a reference voltage, typically 2.5 volts, as established by an integrated circuit device such as a Zener diode 606, for example. The low air flow sensor circuit 604 thus compares a fixed reference voltage from the Zener diode with the voltage at the input to fan motor 605 as detected across current sensing ~~resistor 603~~ resistor 602. --

Replace Page 15, lines 6-15.

A3

-- The output of the low air flow sensor circuit 604 is also connected to an input of the low air flow indicator circuit 608 which can comprise a comparator circuit. Another input of a comparator circuit in low air flow sensor circuit 604 is connected to the Zener diode 606 to receive the reference voltage therefrom. The output of low air flow indicator circuit 608 is connected to LED 152 (see Figures 1-4). Thus, so long as the voltage at the voltage regulator output 601 remains above the reference voltage at the Zener diode 606, the comparator in the low air flow sensor circuit 604 produces an output signal which does not activate the low air flow indicator 608. The low air flow indicator 608, therefore, produces a signal which reverse biases the LED 152 and ~~LED 159~~ LED 151 remains off. --

Replace Page 15, line 22 to Page 16, line 4.

A4

-- The low battery indicator circuit 610, typically, includes a comparator circuit and is connected to ascertain the level of the voltage produced by ~~battery 650~~ battery 600 relative to the reference voltage at Zener diode 606. When the voltage level falls below a specified level, the low battery circuit 610 produces a signal to selectively activate LED 611 (typically a red LED). This warning alerts the user of the helmet to replace (or recharge) the battery 600 so that the system operates properly. --